

<i>Project Wild</i>		Alignment with VSC & Frederick County Essential Curriculum Grades PK-2 ⁱ			
Project Wild Activity	Page	Reading/ Language Arts	Social Studies	Science	Mathematics
<p>LEARNING TO LOOK, LOOKING TO SEE GRADES K-8 STUDENTS WILL DESCRIBE DIFFERENCES SEEN IN AN ENVIRONMENT AS THE RESULT OF CASUAL AND DETAILED OBSERVATION; AND GIVE REASONS FOR THE IMPORTANCE OF LOOKING CLOSELY AT ANY ENVIRONMENT. NOTE: THIS ACTIVITY CAN INVOLVE ART.</p> <p>FREDERICK COUNTY SCOPE & SEQUENCE Kindergarten SC.K00.20 Earth/Space Science 02. Describe the weather using observations.</p> <p>SC.K100.30 Life Science 01 Observe a variety of familiar animals & plants (perhaps on the school grounds, in the, & at home) to discover patterns of similarity & differences.</p> <p>SC.K00.40 Physical Science 01 Use evidence from investigations to describe the observable properties of a variety of objects.</p> <p>SC.K00.60 Environmental Science 01 Identify aspects of the environment that are made by humans & those that are not made by humans.</p> <p>Grade 1 SC.100.20 Earth/Space 01 Observe the weather by using the senses.</p> <p>SC.100.40 Physics 01 Describe & compare things in terms of number, shape, texture, size, weight, color, and motion; 03 Use evidence from investigations to describe observable properties of a variety of objects; 04 Compare the observable properties of a variety of objects and the materials they are made of using evidence from investigations.</p>	278	<p>[potential exists to learn new vocabulary: 1.0 General Reading Processes: Vocabulary D. Vocabulary. Develop and apply vocabulary through exposure to a variety of texts].</p> <p>4.0 Writing: 2 (a) Compose oral, written, and visual presentations (drawing; journals).</p> <p>6.0 Listening: attend & respond to the speaker; asking questions; summarizing; following a set of directions.</p>	None	<p>1.0 Skills & Processes A. Constructing Knowledge; C. Communicate Scientific Information.</p> <p>Kindergarten 3.0 Life Science. A. Diversity of Life: 1. Observe familiar animals & plants to discover patterns of similarity & differences;</p> <p>Grade 1 3.0 Life Science. A. Diversity of Life: 1. External features of plants and animals help them survive in different environments; 2. All organisms are made of parts that help them carry out the basic functions of life: a-c.</p> <p>[potential exists to meet Grades K-2: 6.0 Environmental Science. B. Environmental Issues: 1. Identify “natural” resources – when making observations]</p>	None

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WHAT'S THAT HABITAT? GRADES 2-3 STUDENTS WILL IDENTIFY THEIR OWN BASIC OR NEEDS FOR FOOD, WATER, SHELTER AND SPACE IN A SUITABLE ARRANGEMENT; AND GENERALIZE THAT WILDLIFE AND OTHER ANIMALS HAVE SIMILAR BASIC NEEDS. NOTE: THIS ACTIVITY CAN INVOLVE ART. FREDERICK COUNTY SCOPE & SEQUENCE. Kindergarten SC.K00.30 Life Science 04 Investigate a variety of familiar places where plants & animals live to describe the place and living found there. Grade 1 SC.100.30 Life Science 07 Explain that organisms can grow & survive in many different habitats. Grade 2. SC.200.30 Life Science 01 Explain that habitats provide basic needs for the organisms living in them.	56	1.0 General Reading Processes: Vocabulary D. Vocabulary. Develop and apply vocabulary. 4.0 Writing: 2 (a) Compose oral, written, and visual presentations (drawing; journals). 6.0 Listening: attend & respond to the speaker; asking questions; summarizing; following a set of directions.	None	1.0 Skills & Processes C. Communicate Scientific Information Kindergarten 3.0 Life Science: E. Flow of Matter and Energy: 1. How living things satisfy basic needs for growth and survival (habitat; feeding; acquiring water); F. Ecology (habitats). Grade 2. 3.0 Life Science: F. Ecology: (habitats). 6.0 Environmental Science: A. Natural Resources and Human Needs (natural resources are used to meet human needs).	None
TO CLOSE FOR COMFORT GRADES K-4 STUDENTS WILL DESCRIBE POSSIBLE NEGATIVE CONSEQUENCES FOR PEOPLE AND WILDLIFE UNDER CONDITIONS OF CROWDING, AND IDENTIFY WAYS PEOPLE CAN BEHAVE IN ORDER TO REDUCE NEGATIVE CONSEQUENCES OF CROWDING FOR WILDLIFE. This activity does not correlate to Frederick County Scope & Sequence (science) for grades PK – 2.	300	None	Grades K – 2 3.0 Geography D. Modifying & Adapting the Environment.	Kindergarten – Grade 2 6.0 Environmental Science: B. Environmental Issues: 1. Identify “natural” resources; caring for natural resources is important; people affect the environment.	3.0 Knowledge of Measurement: B. Measurement Tools: Grade 1 Measure in customary units; Grade 2-3: Measure in customary & metric.

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<p>ENVIRONMENTAL BAROMETER GRADES PK-4</p> <p>STUDENTS WILL OBSERVE AND COUNT WILDLIFE IN AN AREA, DISCUSS WHY WILDLIFE IS OR IS NOT PRESENT, AND CONSIDER WAYS IN WHICH THE PRESENCE OF WILDLIFE CAN BE SEEN AS AN INDICATOR OF ENVIRONMENTAL QUALITY</p> <p>FREDERICK COUNTY SCOPE & SEQUENCE. Kindergarten SC.K100.30 Life Science 01 Observe a variety of familiar animals & plants (perhaps on the school grounds, in the, & at home) to discover patterns of similarity & differences.</p> <p>04 Investigate a variety of familiar places where plants & animals live to describe the place and living found there.</p> <p>SC.K00.40 Physical Science 01 Use evidence from investigations to describe the observable properties of a variety of objects.</p> <p>Grade 1 SC.100.20 Earth/Space 01 Observe the weather by using the senses.</p>	77	<p>1.0 General Reading Processes: Vocabulary D. Vocabulary. Develop and apply vocabulary.</p> <p>4.0 Writing: 2 (a) Compose oral, written, and visual presentations (drawing; journals).</p>	None	<p>1.0 Skills & Processes A. Constructing Knowledge; C. Communicate Scientific Information.</p> <p>Kindergarten 3.0 Life Science. A. Diversity of Life: 1. Observe familiar animals & plants to discover patterns of similarity & differences; E. Flow of Matter and Energy: 1. How living things satisfy basic needs for growth and survival (habitat; feeding; acquiring water); F. Ecology (habitats).</p> <p>Grade 2. 3.0 Life Science: F. Ecology: (habitats).</p> <p>6.0 Environmental Science: A. Natural Resources and Human Needs (natural resources are used to meet human needs);</p> <p>[potential exists to meet Grades K-2 6.0 Environmental Science. B. Environmental Issues: 1. Identify “natural” resources – when making observations].</p>	None

<i>Project Wild Aquatic</i>		Alignment with VSC & Frederick County Essential Curriculum Grades PK-2 ⁱ			
Project Wild-Aquatic Activity	Page	Reading/ Language Arts	Social Studies	Science	Mathematics
FASHION A FISH GRADES K-4+ STUDENTS WILL CLASSIFY FISH ACCORDING TO BODY SHAPE AND COLORATION. NOTE: THIS ACTIVITY INVOLVES ART. FREDERICK COUNTY SCOPE & SEQUENCE. Kindergarten SC.K00.30 Life & Environmental Science 03 Develop an awareness of the relationship of features of living things and their ability to satisfy basic needs that support their growth & survival. Grade 1 SC.100.30 Life & Environmental Science 01 Compare and explain how external features of plants & animals help them survive in different environments. 04 Provide evidence that all organisms are made of parts that help them carry out the basic functions of life. 06 Describe some of the ways in which animals depend on plants and on each other. 07 Explain that organisms can grow & survive in many different habitats. Grade 2 SC.200.30 Life & Environmental Science 01 Explain that habitats provide basic needs for the organisms living in them. 04 Provide evidence that all organisms are made up of parts that help them carry out the basic functions of life.	56	1.0 General Reading Processes: Vocabulary D. Vocabulary. Develop and apply vocabulary.	None	1.0 Skills & Processes A. Constructing Knowledge; B. Applying Evidence and Reasoning; C. Communicate Scientific Information. Kindergarten 3.0 Life Science. A. Diversity of Life: 1. Observe animals/plants to discover patterns of similarity & differences; D. Evolution: 1. Different kinds of living things live in different places: a & c. E. Flow of Matter and Energy: 1. How living things satisfy basic needs for growth and survival; F. Ecology: (habitats). Grade 1 3.0 Life Science. A. Diversity of Life: 1. External features help plants & animals survive in different environments; 2. All organisms are made of parts that help carry out the functions of life: a-c.; E. Flow of Matter and Energy 1: Animals depend on plants & on each other: predator/prey. Grade 2. 3.0 Life Science. F. Ecology (habitats).	None

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ARE YOU ME? GRADES K-4 STUDENTS WILL RECOGNIZE VARIOUS YOUNG STATES OF AQUATIC ANIMALS AND MATCH THEM WITH CORRESPONDING ADULT STAGES [METAMORPHOSIS]. FREDERICK COUNTY SCOPE & SEQUENCE. Kindergarten SC.K00.30 Life & Environmental Science 02 Observe, describe & compare different kinds of life cycles of different kinds of animals & plants. Grade 2 SC.200.30 Life & Environmental Science 02 Observe, describe and compare the life cycles of different kinds of plants and animals. 03 Explain that there are identifiable stages in the life cycles (growth, reproduction, and death) of plants and animals.	2	1.0 General Reading Processes: Vocabulary D. Vocabulary. Develop and apply vocabulary.	None	1.0 Skills & Processes: A. Construct Knowledge; B. Apply Evidence & Reasoning; C. Communicate Kindergarten 3.0 Life Science: A. Diversity of Life: 1. Observe a variety of animals/plants-discover patterns of similarity & differences; C. Genetics: 1. Observe, describe & compare life animals/plants cycles. Grade 2 - 3.0 Life Science: C. Genetics: 1. Explain identifiable plant/animal life cycle stages (growth, reproduction, & death).	None
PLASTIC JELLYFISH GRADES K-4 STUDENTS WILL DESCRIBE THE POTENTIAL EFFECTS OF PLASTIC WASTE ON AQUATIC WILDLIFE AND HABITAT, AND IDENTIFY SPECIFIC ACTIONS THEY CAN TAKE TO HELP REMEDY THE PROBLEM. This activity does not correlate to Frederick County Scope & Sequence (science) for grades PK-2.	128	1.0 General Reading Processes: Vocabulary D. Vocabulary. Develop and apply vocabulary.	Grade 1-2 3.0 Geography: D. Modifying & Adapting the Envir. (human needs; litter; destroying /altering habitat; transportation, housing; making a living; protecting environment). Grades 1-2 1.0 Political Science C. Protect Rights & Maintain Order (rights, respon. & making choices about maintaining a clean/safe envir; ID community concerns; ways to take action).	1.0 Skills & Processes: A. Construct Knowledge; B. Apply Evidence & Reasoning; C. Communicate Scientific Info. Grade 2 - 6.0 Envir. Science: A. Natural Resources & Human Needs (resources are used to meet human needs; conservation); Kindergarten – 2: B. Envir. Issues: 1. ID “natural” resources; caring for natural resources is important; people affect the envir.	6.0 Knowledge of Number Relationships & Computation. C. Number Computation: (add, subtract, multiply, divide). 7.0 Processes of Math Relate or apply mathematics within the discipline, to other disciplines, and to life (a-d).

ⁱ Activities meet standards as noted. When a standard is listed without notation, the activity meets the standard fully for all applicable grades for that activity.